

HISTORIC AMERICAN ENGINEERING RECORD
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HAER
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HAER No. PA-254

Braeburn Alloy Steel
Braeburn Road at Allegheny River
Lower Burrell
Westmoreland County
Pennsylvania

Jet Lowe, photographer, April 1989

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| PA-254-1 | EXTERIOR VIEW OF TRANSFORMER ROOM (dust collector installed in 1974) |
| PA-254-2 | VIEW OF FURNACE NO. 2 (foreground) AND FURNACE NO. 1 (background) |
| PA-254-3 | VIEW OF LADLES |
| PA-254-4 | VIEW INSIDE LADLE NO. 1 |
| PA-254-5 | INTERIOR VIEW SHOWING SIDE CHARGING AREA, DOOR IS IN CENTER |
| PA-254-6 | INTERIOR VIEW LOOKING EAST, SHOWING HEROULT NO. 2 FURNACE (ca. 1920) AND DETAIL OF CABLES AND BUS BARS (which convey power to electrodes) |
| PA-254-7 | INTERIOR VIEW LOOKING NORTH, SHOWING GE CONTROL PANEL, RHEOSTATS AND METERS FOR NO. 2 FURNACE. METER TO THE LEFT IS WESTINGHOUSE. |
| PA-254-8 | INTERIOR VIEW LOOKING SOUTHWEST, SHOWING HEROULT NO. 2 FURNACE (ca. 1920) AND DC MOTORS (which raise and lower the bus bars) |
| PA-254-9 | INTERIOR VIEW LOOKING NORTH, SHOWING HEROULT FURNACE NO. 2, SPOUT, DUST COLLECTOR AND CHARGING DOOR |

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PA-254-10	INTERIOR VIEW LOOKING SOUTHWEST, SHOWING NO. 2 FURNACE
PA-254-11	INTERIOR VIEW OF TRANSFORMER ROOM FOR FURNACE NO. 2 LOOKING SOUTHEAST, SHOWING BACK OF CONTROL PANEL AND TRANSFORMER (GE, 3000 KUA water cooled, 60 cycles, U.S. patent 1900585. Transformer dates from 1937, control panel GE resistors)
PA-254-12	INTERIOR VIEW LOOKING NORTHEAST, SHOWING FURNACE NO. 1 (ca. 1910. Nameplate reads: "Heroult Electric Furnace, Capacity 6 tons, Built by American Bridge Company, Pencoyd, PA, No. 33")
PA-254-13	INTERIOR VIEW LOOKING NORTHEAST, SHOWING DETAIL VIEW OF ROCKER FOR NO. 1 FURNACE
PA-254-14	INTERIOR VIEW LOOKING NORTH SHOWING NO. 1 FURNACE
PA-254-15	INTERIOR VIEW LOOKING NORTH SHOWING NO. 1 FURNACE
PA-254-16	INTERIOR VIEW LOOKING SOUTHWEST SHOWING NO. 1 FURNACE. TO RIGHT ARE D.C. MOTORS (which raise and lower the bus bars)